

IN THE CLAIMS

Please amend claims 12, 13, 20, 21, 22, 26, 27, 43, 47, 50 and 53 pursuant to 37 CFR 1.121. A marked up copy of these amended claims is included herewith.

Q1

12. (Amended) The torque converter of claim 27, wherein the viscosity of fluid in the fluid flow between said plenum chambers varies in response to the changes of the extent of slip between said components and the rate of fluid flow between said chambers is regulated in response to variations of said viscosity.

13. (Amended) The torque converter of claim 27, wherein the temperature of fluid in the flow between said chamber varies in response to changes of the extend of slip between said components and the rate of flow between said chambers is regulated in response to variations of said temperature.

Q2

20. (Amended) The torque converter of claim 27, wherein said driving component forms part of said housing and said driven component comprises a piston at least partially sealing said plenum chambers from each other in the engaged condition of said clutch.

21. (Amended) The torque converter of claim 27, wherein said driving component forms part of said housing and said driven component comprises a piston at least partially sealing said plenum chambers from each other in the engaged condition of said clutch.

Q3 cont.

22. (Amended) The torque converter of claim 27, wherein said clutch further comprises a lamella disposed between said components and movable axially of said housing, in response to axial movement of said driven component, into frictional engagement with said components in the engaged condition of said clutch.

26. (Amended) The torque converter of claim 27, further comprising at least one cooling unit for said clutch, said cooling unit being arranged to exchange heat with at least one of said components.

Q3

27. (Amended) A hydrokinetic torque converter comprising:

a housing rotatable about a predetermined axis;

a pump rotatable by said housing about said axis;

a turbine rotatable in said housing about said axis by and relative to said pump;

means for rotating said housing;
an output element rotatable about said axis and arranged to receive torque from said turbine;

a fluid-operated bypass clutch disposed in said housing and arranged to transmit variable torque between said housing and said output element, said clutch including a driven component rotatable with said output element and movable axially of said housing into and from frictional engagement - with and without slip - with said driving component;

*Q3
Cont.*
means for moving said driven component, including first and second plenum chambers containing bodies of hydraulic fluid at variable pressure with the provision for fluid flow between said chambers through said clutch; and wherein said clutch further comprises at least one friction lining borne by one of said components and frictionally engaging the other of said components in the engaged condition of said clutch, said components and said friction linings having friction surfaces each of which engages another of said surfaces at least in the engaged condition of said clutch, said regulating means having recesses extending at least substantially radially of said axis and provided in at least one of said surfaces to establish at least a portion of said fluid flow in the engaged condition of said clutch.

Q4
43. (Amended) The torque converter of claim 27, wherein said clutch further comprises a lamella disposed between said components and rotatable

*full
cont.*

with said output element, said lamella having first and second surfaces respectively confronting said driving and driven components and said regulating means including recesses provided in at least one of said surfaces and establishing paths for the flow of fluid between said chambers in the engaged condition of said clutch.

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47. (Amended) The torque converter of claim 27, further comprising a damper arranged to damp torsional vibrations between said housing and said output element in the engaged condition of said clutch, said damper including an input having a lamella disposed between and frictionally engaging said components in the engaged condition of said clutch, an output arranged to rotate with said output element, and at least one energy storing element interposed between said input and said output.

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50. (Amended) The torque converter of claim 27, wherein said clutch further comprises at least one porous layer disposed between said components and establishing a plurality of paths for the flow of fluid between said chambers in the engaged condition of said clutch, wherein said porous layer includes an annular disc containing a sintered material, wherein said sintered material is selected from the group of materials consisting of metal, plastic, glass, ceramics and mixtures and compounds thereof.
